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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGER	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFG	DERKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR		73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFG	DERKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR		73
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQFGKGSIMKLG	EK.TDTR	ISTVPSGSLALDI	TALGIGGYPRGR		58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKNFGKGSIMRM	GK.VDTQVSTVSSGSLALDE	ALGVGGYPRGR			60
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLG	AESKLDVQVSTGSLSLDL	ALGVGGIPRGR		72
NTDB id 100970 AWR27 RS17265 WP 077132338.1	.MA....KSDTAQ..ATASAT	DNKLLKALQTTIEK	LDKAFGKGTVMRLSE	SKV.VDVPVISTGSLGLDL	ALGIGVPRGR		71
NTDB id 1334 RAOC RS04870 WP 004918236.1	.MA....K....T..ETTSPN	DDKKKALAAVLEK	LDKTYGKGTVMKLG	DGTVDHNI	EVIPSGSLGLDL	ALGVGGYPKGR	68
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLG	DK.EVEQIDSIGTGSVGLDL	ALGIGGVPKGR			59
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQ	IDKVF	FGKALVRLGDK.QVEKIDSISTGSLGLDL	ALGIGGVPKGR			61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQ	IDKVF	FGKALVRLGDK.QVEKIDAISTGSLGLDL	ALGIGGVPKGR			61
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEP	EKKQKALEAALAQ	IEKQFGKGSIMKLG	QTEQLDIESVSTGSLGLDL	ALGIGGLPMGR		76
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	GKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR		60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	GKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR		60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	GKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR		60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKKKALAAALAQ	IEKQFGKGSIMKMG	DA.EVEPVQVSTGSLGLD	VALGVGGLPRGR		68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVETISTGSLSLDI	ALGAGGLPMGR			59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVETISTGSLSLDI	ALGAGGLPMGR			59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR			59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR			59
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRRALAAALGQ	IEKQFGKGVMRMG	DH.DRQAIP	ISTGSLGLDI	ALGIGGLPKGR		59
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NTDB id 600 KW2 RS01765 WP 011675413.1	AYNDEKIGQGA	EKAKNYLKEHQDVF	DEIDHKVRAAHGI	LDDSEVAETEEETTAS	.KTKAKAKKEEKAVETEEIELELED	387		
NTDB id 269 KZH43 RS08665 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFL	LIDGEEVSEQDTENKKD	E...PKKEEA..VNEEVPLDLGDE	381		
NTDB id 228 SPD RS09265 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFL	LIDGEEVSEQDTENKKD	E...PKKEEA..VNEEVPLDLGDE	381		
NTDB id 194 SPR RS08825 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFL	LIDGEEVSEQDTENKKD	E...PKKEEA..VNEEVPLDLGDE	381		
NTDB id 159 SP RS09750 WP 001085462.1	SYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFL	LIDGEEVSEQDTENKKD	E...PKKEEA..VNEEVPLDLGDE	381		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SYKDEKIGQGS	ENAKKYLADNPEVFAE	IDHQVVRVQFGL	LIDGEEAAE...SKKD	E...VAQVDS..VNEEVTLDLGDE	377		
NTDB id 499 SM12261 RS08315 WP 078228268.1	SYKDEKIGQGS	ENAKKYLADNPEIF	DEIDHQVVRVQFGL	LIDGEEIAE...SKKD	E...AAQVDS..VNEEVTLDLGDE	377		
NTDB id 453 Spy49 1753c ACI62003.1	SYNGEKIGQGS	ENAKRYLADHPQLF	DEIDRKRVRVKFL	LEESEESAMAVASE	.....E.....TDDLALDLNG	373	
NTDB id 408 SMU RS09530 WP 002262392.1	SYNGEKIGQGS	ENAKKFLADNPEIF	DDIDHKVVRVQYGL	IEEDNTEEKQSSKEK	.....ETDEK..ADKNLVLELDDT	378	
NTDB id 115 BSU 16940 NP 389576.2	SYEEEEKIGQGS	RENAKQFLKENKDI	MLMIQEQIREHYGL	DNNGVVQQAEETQEE	.L.EFE.E.....	348		
NTDB id 625 LCA RS02525 WP 011374196.1	SYGSERIGQGS	RENAKNYLADHEDVE	DEVRLKVRVRAAYGI	SDVPEEDLPTTEDE	.Q.I.NILPDDST.....EE.....	355		
NTDB id 1313 DR RS12030 WP 010888966.1	SYGDERIGQGS	KEKTIAYTAERP	PEMEQEIRDRVMAA	IRAGNAGEAPALAPAPA	PEAAEA.....	363		
NTDB id 100970 AWR27 RS17265 WP 077132338.1	SYGTSRLAQRDAV	KELLDNPELMAE	LEGGKTRAKIN	EDENALIDPVLAAATNGDDE	EGEIED.....	364		
NTDB id 1334 RAOC RS04870 WP 004918236.1	SYQDTKLGQGRD	TVKELIKDNPELA	EELEAKIREKLQAK	.....	.....	343
NTDB id 1245 Cj1673c YP 002345041.1	SYKDKKLGQGS	RENASKAFLKENPEI	ADEITKAIQNSMG	TEGMISGSEDDE	....GEE.....	343	
NTDB id 1211 C694 RS00795 WP 000963128.1	SYQDKKLGQGS	RENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPLPDEP	....LEEME.....	347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SYQDKKLGQGS	RENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPLPDEP	....LEEME.....	347	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SYDGTKIGQGS	KNNAVKWLKENPEI	ADKLEQEI	RNTLASNPNSVLKATAS	..DSNDESDVEE.....FSEEEL.....	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	SYNGAKIGQGS	KDNVRVWLKENPEI	SDAIDAKIRALNG	VEMHITEGTQDE	..TDGER.....PEE.....	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	SYNGAKIGQGS	KDNVRVWLKENPEI	SDAIDAKIRALNG	VEMHITEGTQDE	..TDGER.....PEE.....	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	SYNGAKIGQGS	KDNVRVWLKENPEI	SDAIDAKIRALNG	VEMHITEGTQDE	..TDGER.....PEE.....	348		
NTDB id 1427 RS RS02760 WP 011000510.1	SYNGERIGQGRD	NCREFLRENAEL	AREIENKVRHLGV	TPMGAVTLA.E..EVEED	.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SYNGDKIGQGS	KANACKYLNKENPEI	AKTLDKKLREMLLN	PNENMQLIAETS	..SAADDVEFGA.....VPEEF.....	354		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SYNGDKIGQGS	KANACKYLNKENPEI	AKTLDKKLREMLLN	PNENMQLIAETS	..SAADDVEFGA.....VPEEF.....	354		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SYQGNKIGQGS	KNNVIRYLEENPQI	STEIEAVIREQLL	TKASDQTAH.D..ETEEEPDLL	.....ES.....	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SYQGNKIGQGS	KNNVIRYFEENNQI	AEEIERNIREQLL	TTGTNGAVQ.I...EDEEPPDLL	.....LES.....	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	AYKGSKIGQGS	KANAACYLEENPEI	GQIEIQQLRAKLL	VTSANTKATPVA..EDLADADI	347		
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NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 115 BSU 16940 NP 389576.2	.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	.....	363
NTDB id 100970 AWR27 RS17265 WP 077132338.1	.....	364
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....	343
NTDB id 1245 Cj1673c YP 002345041.1	.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347

consensus

- X non conserved
- X similar
- X ≥ 50% conserved